



GX

**G600/G700/G800
G900/G1050**



TECHNICAL DETAILS & SPECIAL FEATURES

MAXIMUM EFFICIENCY

Up to 93% of efficiency, compliant with 80-PLUS® GOLD efficiency requirement.

RST (RAPID SWITCH TECHNOLOGY) POWER

COUGAR GX provide highest efficiency performance with Rapid Switch Technology.

DC-DC TECHNOLOGY

DC-DC technology provides highest efficiency, most stable performance, and perfect regulation (Regulation <3%).

CLC FILTER DESIGN

CLC filter design efficiently suppress Ripple/Noise <1%

COMPATIBLE WITH LATEST PC-TECHNOLOGY

Supports the newest specifications of ATX12V

Created for usage with current and next-generation multi-core CPU platforms.

SUPPORT MULTI-GPU TECHNOLOGY

Support PCI Express 2.0 next-generation graphic card with 8(6+2)pin PCI-E connector

HIGHEST DURABLE & RELIABLE SOLID CAPS FOR 12V, 3.3V, 5V

The best solution for a High-End PSU by using solid caps for 12Vs, 3.3V, 5V, solid caps provide highest efficiency, best reliability, and extend power lifespan.

105 °C JAPANESE CAPACITORS

COUGAR use highest durable 105°C Japanese capacitors provide uncompromised performance and reliability, delivering 4 times the lifespan of conventional 85°C rated capacitors.

HIGH PERFORMANCE AT 50°C

Non-stop high performance and full rated wattage at 50°C/122°F ambient temperature.



www.cougar-world.com



TECHNICAL DETAILS & SPECIAL FEATURES

HDB (Hydro-Dynamic Bearing) 14cm FAN

Advanced HDB (HYDRO-Dynamic Bearing) fan provide best lifespan and super silent performance. Temperature-controlled design adapts its rotating speed to the PSU temperature. Even on its highest rotating level the fan is still quiet enough to be barely noticeable.

DYNAMIC MULTI-12V

Automatic dynamic load distribution on multi-12V line to provide power separately to the GPU and the CPU. If you are not using all output lines, the PSU automatically reroutes needed power from unused lines. This improves the performance and safety of the 12V lines considerably for systems with high-end graphics cards in SLI® or CrossFire® mode. and provide high voltage stability to keep components safe.

FLEXIBLE CABLE MANAGEMENT

The modular cables that reduce air friction to help maximize airflow through the PC case. The modular design also simplifies installation as it allows unprecedented flexibility in using only those cables which are needed.

COMPLIANT WITH LATEST EUROPEAN DIRECTIVE 2005/32/EG (EuP)

In Standby consumption is <0.3W, compliant with economy-friendly electrical equipment.

SUPPORTS THE ENERGY STAR 5.0

Compatible with Energy star 5.0 computer system.

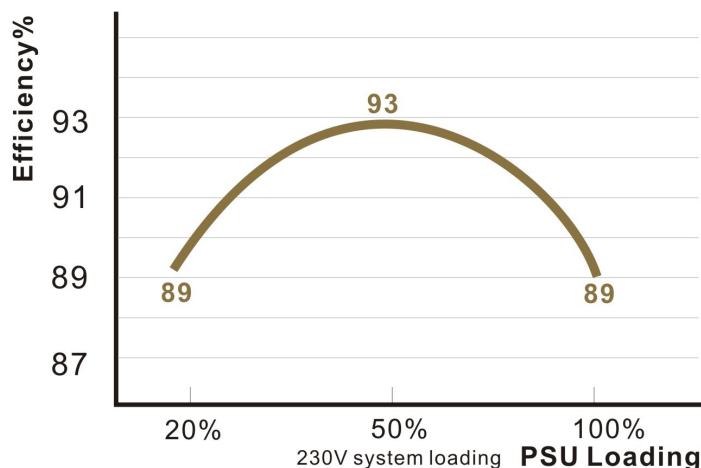
FULL PROTECTIONS WITH OCP, SCP, OVP, UVP, OPP, OTP

80 PLUS GOLD CERTIFICATION

Up to 93% of efficiency, compliant with 80-PLUS® GOLD efficiency requirement . Due to the extremely high efficiency of the COUGAR® GX-series you can reduce your electricity costs in spite of high performance.



COUGAR GX
G600/G700/G800/G900/G1050

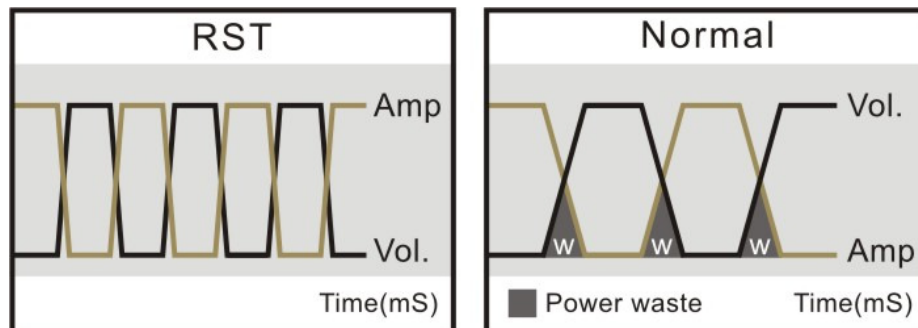


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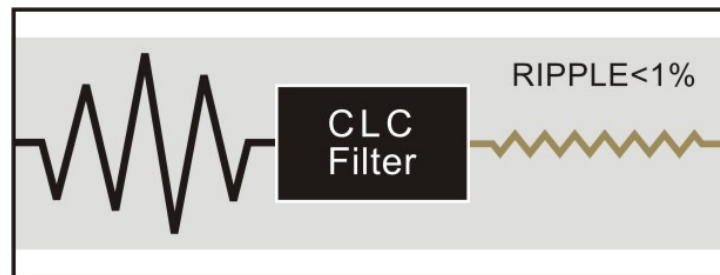
TECHNICAL DETAILS & SPECIAL FEATURES

RST (RAPID SWITCH TECHNOLOGY) POWER



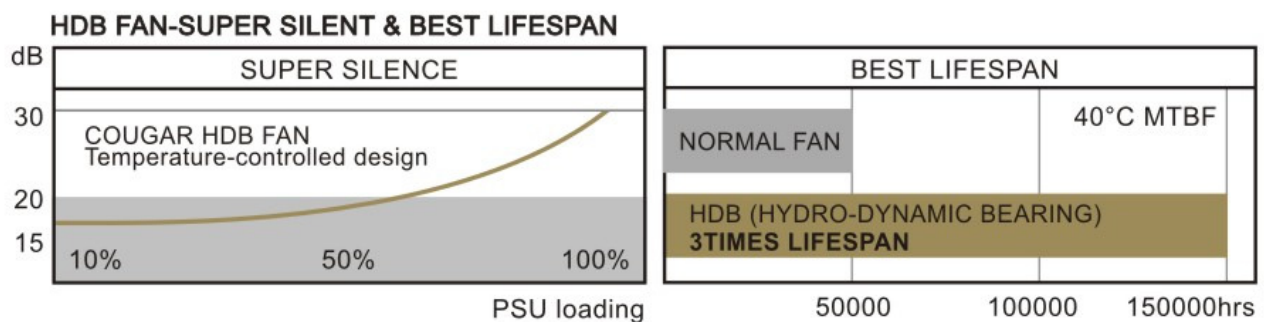
COUGAR GX provide highest efficiency performance and less wattage loss

CLC FILTER DESIGN



COUGAR GX CLC filter design efficiently suppress Ripple/Noise < 1%

HDB (Hydro-Dynamic Bearing) 14cm FAN



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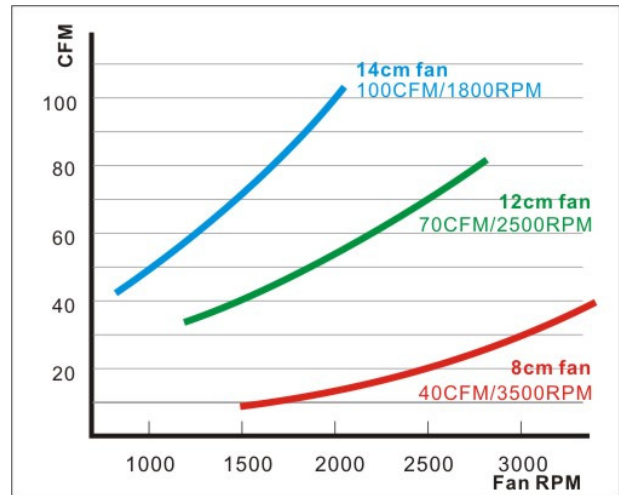
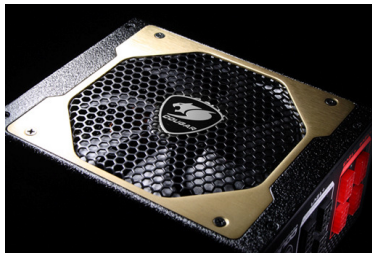


TECHNICAL DETAILS & SPECIAL FEATURES

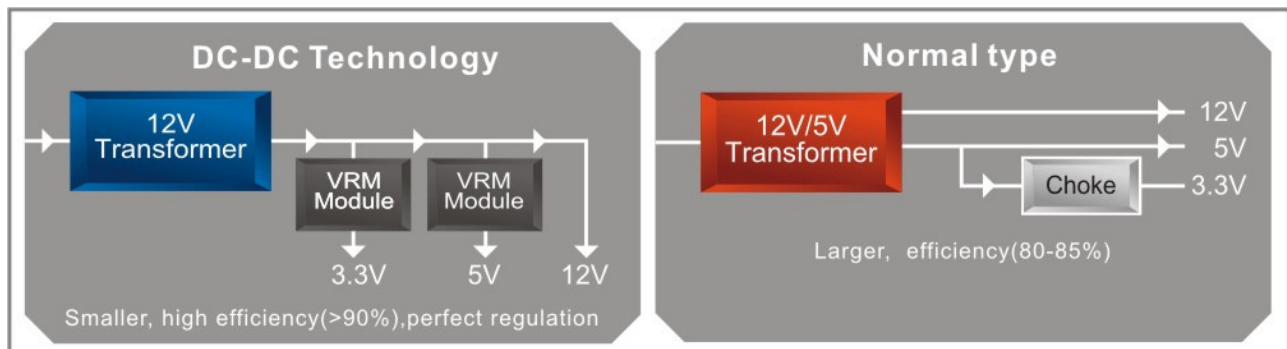
140mm FAN DESIGN

Better CFM means fan can provide better air flow and cooling performance.

14cm and 12cm fan can provide much better air flow just require low rpm than 8cm fan, therefore, 140mm fan is much better cooling performance, but is extremely low noise and longer life of the fan.



DC to DC TECHNOLOGY



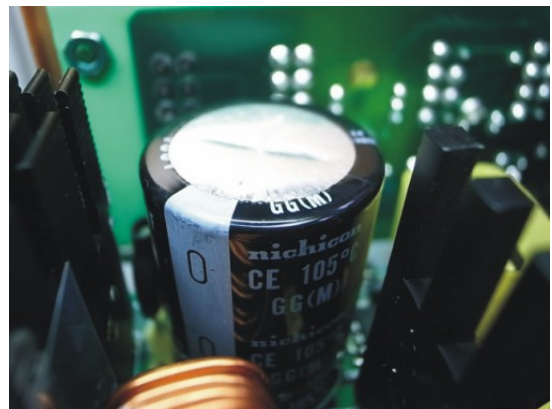
DC-DC technology for switching PSU has smaller volume, the highest efficiency, the most stable performance, and perfect regulation.(<3%)

105 °C JAPANESE CAPACITORS

COUGAR use the highest durable 105°C Japanese capacitors provide uncompromised performance and reliability, delivering 4 times the lifespan of conventional 85°C rated capacitors.

BEST RELIABILITY & LIFESPAN			
85°C CAPACITOR			MTBF
JAPANESE 105°C CAPACITOR- 4 TIMES LIFESPAN			

Time

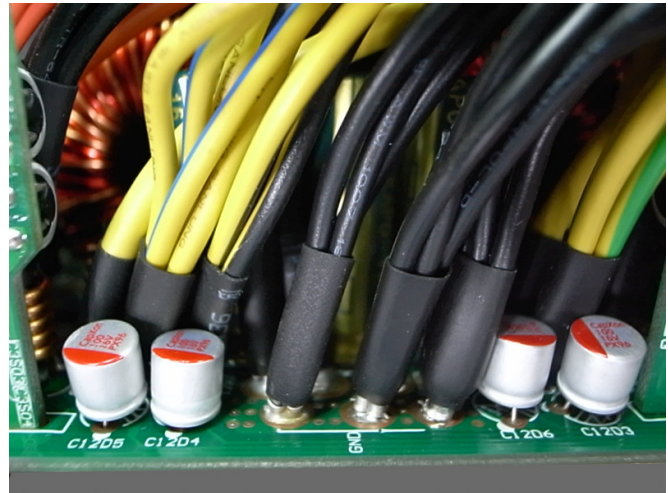




TECHNICAL DETAILS & SPECIAL FEATURES

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FLEXIBLE CABLE MANAGEMENT

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SPECIFICATION

RATING

Model Name	AC input	DC output								
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb	Total output
G 600	110-240Vac 50-60Hz 10-5A	25A	25A	20A	20A	24A	24A	0.5A	3.5A	600W
		150W		588W						

Model Name	AC input	DC output								
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb	Total output
G 700	110-240Vac 50-60Hz 10-5A	25A	25A	22A	22A	24A	24A	0.5A	3.5A	700W
		150W		696W						

Model Name	AC input	DC output								
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb	Total output
G 800	110-240Vac 50-60Hz 10-5A	25A	25A	22A	22A	24A	24A	0.5A	3.5A	800W
		150W		792W						

Model Name	AC input	DC output										
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5Vsb	Total output
G 900	110-240Vac 50-60Hz 13-7A	25A	25A	25A	25A	25A	25A	25A	25A	0.5A	4A	900W
		150W		876W								

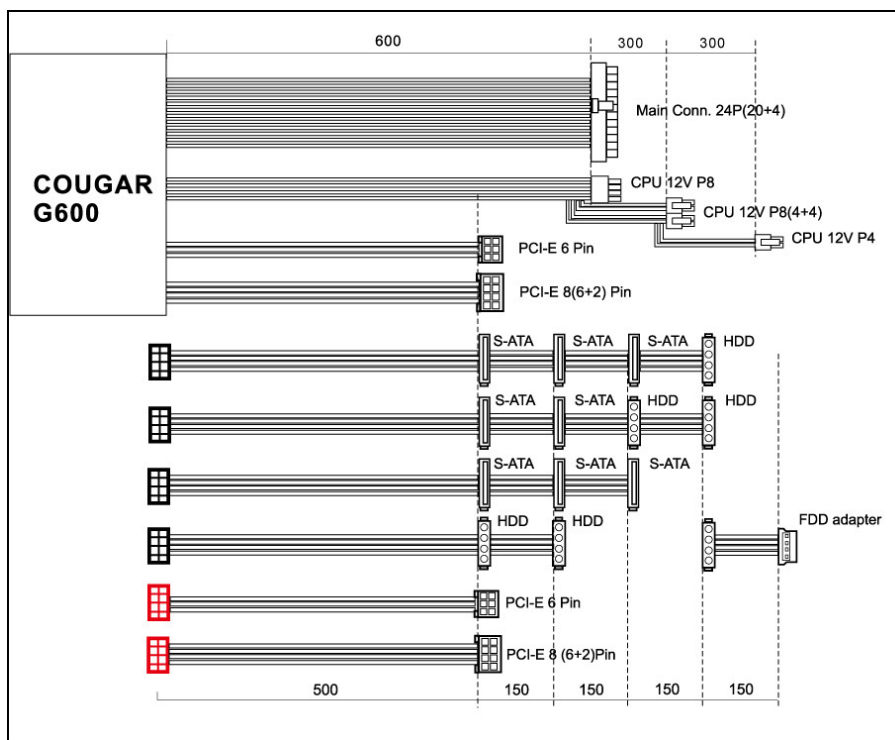
Model Name	AC input	DC output										
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5Vsb	Total output
G 1050	110-240Vac 50-60Hz 13-7A	25A	25A	25A	25A	25A	25A	25A	25A	0.5A	4A	1050W
		160W		1008W								



SPECIFICATION

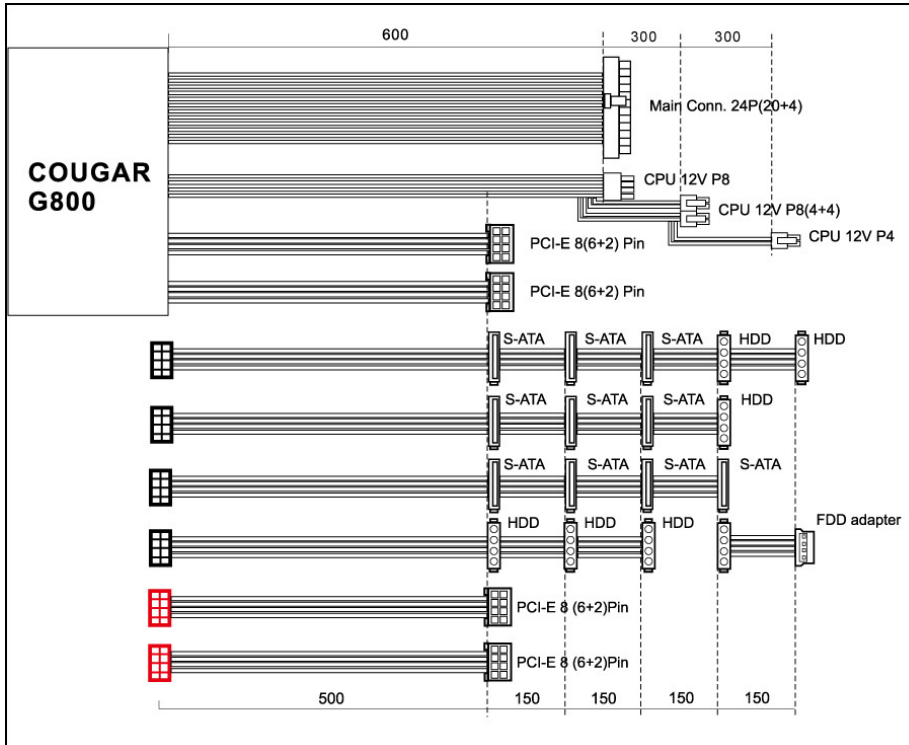
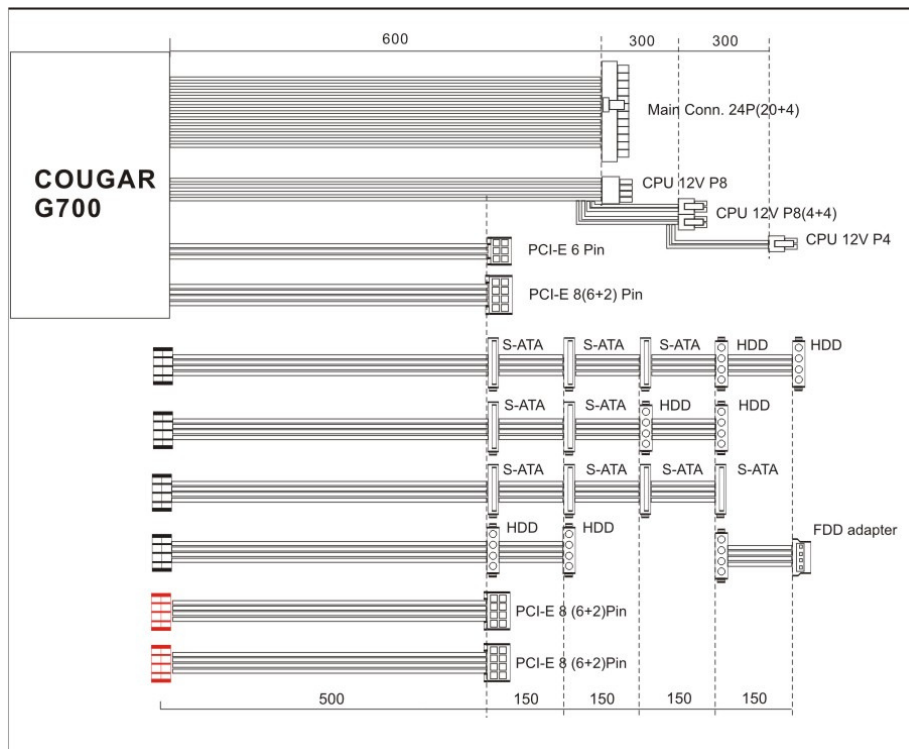
CABLES & CONNECTORS

Connector	Main Conn.	Peripheral Conn.	Floppy adapter.	CPU Conn.	S-ATA Conn.	PCI-E Conn.	PCI-E Conn.
Pin	24(20+4) Pins	4 Pins	4 Pins	8+(4+4)+4 P	5 Pins	6 Pins	8(6+2) Pins
G 600	1	5	1	1	8	2	2
G 700	1	6	1	1	9	1	3
G 800	1	6	1	1	10	-	4
G 900	1	7	1	1	11	2	4
G 1050	1	7	1	1	12	-	6



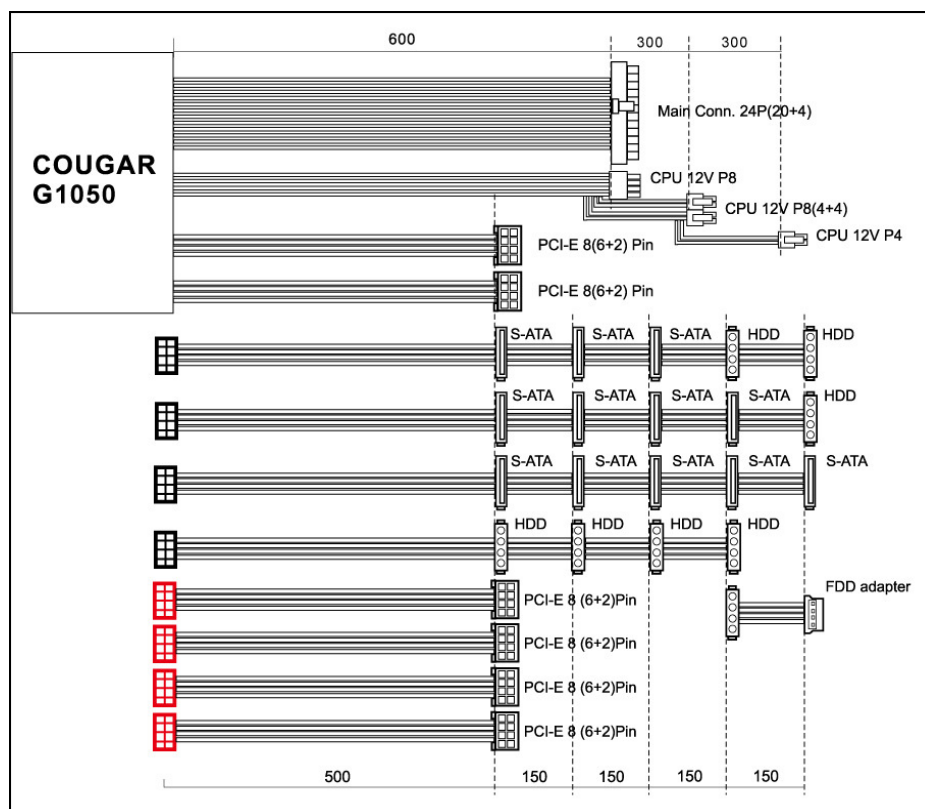
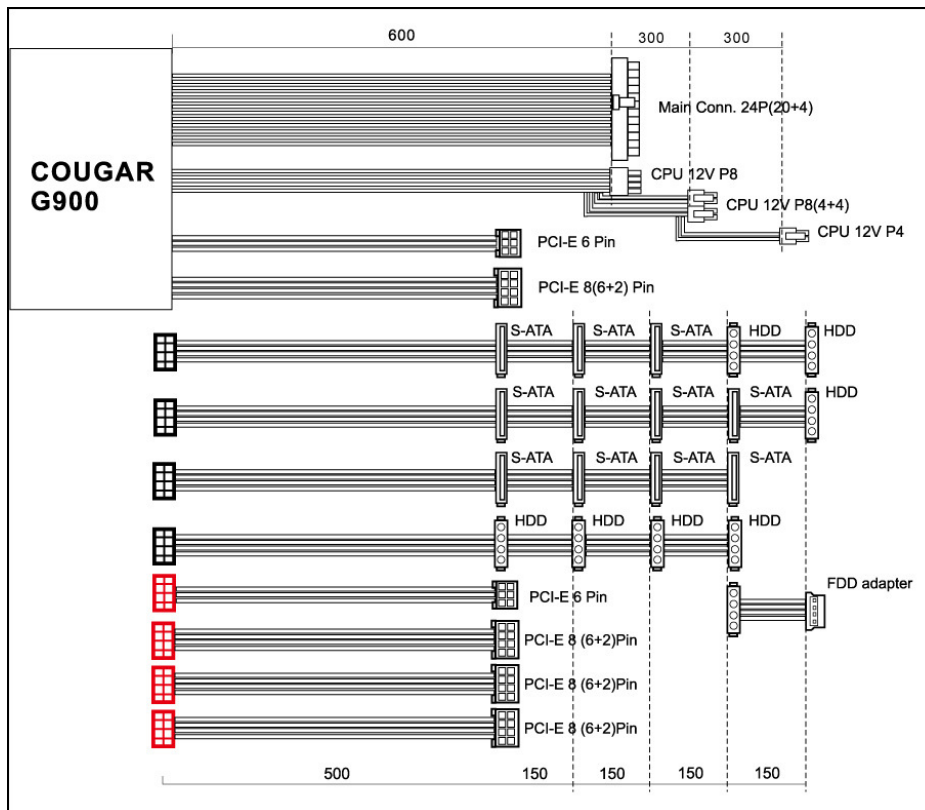


SPECIFICATION





SPECIFICATION





SPECIFICATION

DIMENSIONS

Dimension (L*W*H) mm	180 x 150 x 86
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SAFETY FUNCTIONS

UVP (Undervoltage protection)

If the voltages fall below a certain tolerance value on the single lines, the PSU automatically switches off.

OVP (Overvoltage protection)

If the voltages increase above a certain tolerance value on the single lines, the PSU automatically switches off.

SCP (Short-circuit protection)

In the case of a short-circuit this feature prevents damage to the core components of the PSU and its system components.

OPP (Overload protection)

If the system is oversized and requires more power from the PSU than it can perform, this protection function is activated.

OCP (Overcurrent protection)

If the load on a single line is higher than indicated, the PSU automatically switches off.

OTP (Overtemperature protection)

If the temperature is too high, the PSU automatically switches off.

SAFETY & EMI CERTIFIED:

